

**University of Baghdad
College of Nursing
BSN. Program**

Course Syllabus
Biostatistics

**2022/2023
1st Semester**

**This syllabus is subject to change. Changes will be announced to students.
It is the responsibility of the student to comply with any changes.**

Created: January 20, 2023 by © Dr. Adraa Hussen, Dr.Zaid Ajil

Revised: February 05, 2023

General Information & Policies

1. Course Number and Title: BST307 Biostatistics

الإحصاء الحيوي

Number of Credit Hours: (2) **Credit hours: 2 credits/ One Semester:** Theory 2 Hours (2) credits

Times & Places: Wednesday @8:30 AM-10:30 AM , Hall 3 (beside the cafeteria).

Prerequisites: None

Course Description: In this course, students learn about the basic principles of statistical science and the benefit from it in the achievement of scientific research in the field of nursing and medical research in order to come out with accurate scientific results and carry out the statistical processes in nursing research.

Teaching Methods: Lectures, whiteboard, discussions, & assignments.

Evaluation Methods: Unit exam(s), homework exercises, & quizzes.

Faculty, Contact Information, & Office Hours:

Dr. Hossam Sabri, Room No.5 in College of Education- University of Baghdad

hossam.mostafa@coart.uobaghdad.edu.iq

Office hours ► See my weekly schedule!

Required Textbook(s) and Other Materials:

- الإحصاء الحيوي.

Academic Dishonesty: Academic honesty is required in all aspects of a student's relationship with the university. **Students are advised that cheating are not tolerated.** If that happens, the student shall earn zero and be under the legal circumstances.

Course Objectives

By the completion of this course the student will be able to:

1. Identify principles of statistics and recognize statistical equations.
2. Apply principles of statistics in nursing research.
3. Ability to analyze data in nursing research.
4. Use modern program in data analysis.
5. Apply principles of statistics during nursing performance.

Course Requirements

To complete the course successfully, the student must:

1. Adhere to the policies stated in this syllabus and printed in the *College of Nursing Student Handbook*.
2. Complete and submit each homework by the due date and time. Failure to do so without prior permission will result in a **loss of 5%** of the points possible for the assignment per school day late.
4. Earn a grade of **50% or higher**. The aforementioned grade in BST courses **is the minimum passing grade at the graduate level**.
5. Attend classes! Based on *The Student Guideline*, the student shall be marked “failure” if (s)he absents 10% of the total hours.
6. If a student does cheating, (s)he will be penalized based on the rules of academic dishonesty.

Evaluation & Grading

Distribution of Points:

Requirements	Possible Points
Homework	10%
The midterm exam (2)	15%
Quiz	5%
The total of 30% before the final exam.	
The Final exam	70%
Total	100%

Course Schedule and activities

Week	Date of Class	Unit to be Covered and/or Other Activity	Assigned Readings to be Completed Before Class
W1	13-10-2022	Overview of the course and review of the syllabus Collecting Students' contact information. Overview of biostatistics principles.	
W2	20-10-2022	Methods of data collection	
W3	27-10-2022	Identify type of data and describe them.	
W4	03-11-2022	Sample methods.	
W5	10-11-2022	Types of sample (randomize and non randomize)	
W6	17-11-2022	Data disaggregation	

W 7 & W8	24-11-2022 01-12-2022	Frequencies distribution & types.	
W9 & W10	08-12-2022 15-12-2022	Measurement of central tendency, types.	
W11 & W12	22-12-2022 29-12-2022	Measurement of dispersion, types.	
W13 & W14	5-1-2023 12-1-2023	Statistics	

V/r,
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